Diode Laser User Manual 808



Configuration of equipment

5 6 7 8

1.	808 laser handle/one piece	2	Laser glasses/one pair	3	Laser goggle/one pair	4	Injection bottle/one piece
5	pedal/one piece	6	Power wire/one piece	7		8	

808 Brief Introduction

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808 semiconductor laser hair removal instrument can in lower energy density mode will be heated to the hair follicle and ℃, through the treatment of hand with low energy sliding a period of time (in the low frequency condition) hair follicle stem cells and growth is lose growth activity, so as to achieve the purpose of permanent hair removal.

Working Principle

Semiconductor freezing point depilatory instrument adopts 808 nm wavelength, the wavelength effective penetration depth can achieve target tissue (hair papilla), appropriate pulse duration security target tissue generate enough thermal damage and surrounding tissues almost not affected; A moderate amount of energy density security in the suitable time to provide strong enough energy output enough to damage the target tissue and normal tissue is almost not affected; Suitable skin protection measures to guarantee the target tissue enough damage, and skin almost not affected, so as to ensure the safety of the treatment.

Feature and Advantage

1） Frozen environment , High-speed unhairing reduce pain truly minimally invasive .

2）Center wavelength of 808nm through the skin effect hair papilla directly and removal efficiency is higher than other hair removal device .

3） Use the 1800W power with the 500W semiconductor laser power supply high frequency and high efficiency light.

4） The compressor condenser that handle constant temperature cooling without intermittent work, more suitable for professional medical establishments.

5）Using the sliding and function handles ,continuous light sliding operation removal without from the site of action .

Application

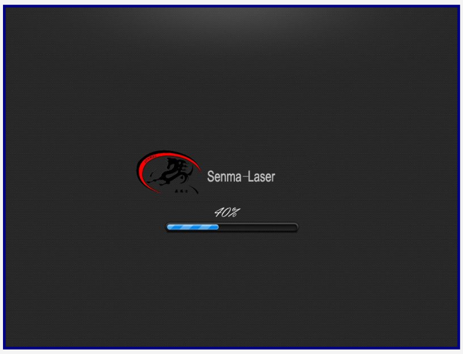
Permanent Hair removal of all body part : beard, lips,arm ,leg ,armpit hair,bikini line and so on .Improve pigment ,dark color of the mole ,burgundy birthmarks and other symptoms.

Technical parameters

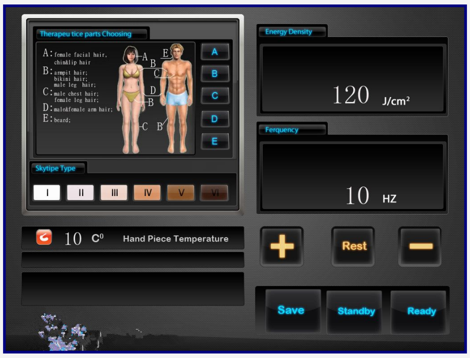
Type of laser	Continuous semiconductor laser
wavelength	808nm
Output	pulse
Pulse width	0-400ms
Export size	12mm X 20mm
Handle cooling system	semiconductor cooling
Frequency	1-10HZ
Energy density	0-120J/cm^3
Laser power	500W
Cooling system	constant temperature cooling
Input power	1800W

Operation

Laser interface



Picture one



Picture tow

Turn on the machine , Enter picture one waiting interface , A few seconds later enter picture tow working interface.

Energy density：adjust energy

Frequency ：adjust frequency

“＋”，“—”： Size control key :“＋”increase，“—”reduce

Therapeu tice parts Choosing.

Skin Type：Ⅰis the shallowest ,Ⅵis the darkest .

STANDY: The key of waiting

Ready: The key of Starting

Energy parameters adjustment

The maximum energy is 120J/CM^3， The maximum frequency is 10 Hz.

Skin type	Energy density（J/cm^3）	Frequency（ Hz）
Ⅰ	1-120（J/cm^3）	1,2,3,10
Ⅱ	1-120（J/cm^3）	1,2,3,10
Ⅲ	1-120（J/cm^3）	1,2,3,10
Ⅳ	1-120（J/cm^3）	1,2,3,10
Ⅴ	1-120（J/cm^3）	1,2,3,10
Ⅵ	1-120（J/cm^3）	1,2,3,10

Operation Note

1. Please Scrape off the excess hair with a scraper before treatment .
2. Use cold gel before operation .
3.NO especial protection, keep away from sunburn .

Maintenance and Repair

1.Make sure there are enough distilled water before turn on the machine every time.

2.When turn on the key switch , Confirm water flow in the handle then do the next operation .

3.If the water can not cycle ,please turn on the machine again and again for many times (Put the handle next to the ear .)until the water cycle .

4.The water can not cycle after changing . Please refer to article 3.

1).In the normal use of the machine , please change the distilled water completely 7-10 days a time .

2).The handle should be picked up and put down gently , Because the product operating handle shell are installed in the precision, fragile laser device.

Design patent certification



主视图



右视图



后视图



俯视图



左视图



立体图

证书号第2275744号

外观设计专利证书

外观设计名称：医疗美容仪器机壳（808）

设　计　人：马建华

专　利　号：ZL 2012 3 0404707.0

专利申请日：2012年08月24日

专 利 权 人：徐州立方盛世光电设备有限公司

授权公告日：2013年01月02日

本外观设计经过本局依照中华人民共和国专利法进行初步审查，决定授予专利权，颁发本证书并在专利登记簿上予以登记。专利权自授权公告之日起生效。

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2013年01月02日

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图片或照片 6 幅　简要说明 1 页

(54)使用外观设计的产品名称

医疗美容仪器机壳(808)



立体图

C E

OMTEST

Room 104 Entrance NO.1,Building NO.5, Yard NO.8, Third Ring new town , Fengtai District , Beijing , China

Certificate of Conformity

About the EMC Directive 89/336/EEC
As Last amended by EEC Directive 93/68/EEC

Certificate No	CE200806008
Report No.	EMC200806006002
Holder:	**Room 104 Entrance NO.1,Building NO.5, Yard NO.8, Third Ring new town , Fengtai District , Beijing , China**
Product:	**YAG Laser**
Model / Type:	**LFSS-M-909**
Technical data:	**110V-220V 50/60Hz 100W**
Test acc. to:	EN 55014-1: 2006 EN 55014-2: 1997+A1: 2001 EN 61000-3-2:2006 EN 61000-3-3:1995+A1:2001

This Certificate of conformity is based on evaluation of a sample of the above Mentioned product. Technical Report and documentation are at the licence Holder's disposal. This is to certify that the tested sample is in conformity with all revision of Council Directive 89/336/EEC, in its latest amended version, referred to as the EMC Directive. This certificate does not imply assessmen of the series-production of the product and does not permit the use of JL mark of conformity. The holder of the certificate is authorized to use this certificate in connection with the EC declaration of conformity according to Annex I of the Directive.

CE

Lab. Manager
Kelvin Chen
11 Jun 2008

2009/